From the INTERNATIONAL PRELIMIN To:	ARY EXA	AMI	NING A	AUTHOR	YTE	Rec'd PCT	PCT 14 JAN 2005
Global Intellectua AstraZeneca 151 85 SÖDERTÄLJE			typati		GIP	INTERNA REPOR (Chapter II o	FION OF TRANSMITTAL OF ATIONAL PRELIMINARY TON PATENTABILITY of the Patent Cooperation Treaty (PCT Rule 71.1)
	DATA	-0_				late of mailing diy/month/year)	04-11-2004
Applicant's or agent's file red	PINAL CHECK					IMPOR	TANT NOTIFICATION
		nal filing			Priority date (day/month/year) 17-07-2002		
Applicant AstraZeneca AB et al					-		

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in som Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, intentive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed invention is patentable or not" (see Also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the IPEA/		Authorized officer	A AND A COMMUNICATION OF THE COMM
Patent- och registreringsverket	Telex		HIRE Managinan
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Facsimile No. 08-687 72 88	•	Telephone No.	08-782 25 00
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# PATENT COOPERATION TREATY

# **PCT**

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 100770-1 WO	FOR FURTHER ACTION See Form PCT/IPEA/416							
International application No.	International filing date (da	y/month/year)	Priority	dato (day/mo	pth/year)			
PCT/SE2003/001216	15.07.2003		17.0	7.500E2	DATE	NTD		
International Patent Classification (IPC) o	r national classification and	PC	J					
C07D 209/30, A61K 31/	405, A61P 11/0			<b> </b>		·		
				ANKOM () !	5 NOV 201	04 GIPS		
Applicant	Applicant							
AstraZeneca AB et al			i	ENTERED				
		FINA						
This report is the international pre Authority under Article 35 and tre				ichal Prelimir	nary Examini	ng		
2. This REPORT consists of a total of	of 4 sheets, in	cluding this cove	r sheet.					
3. This report is also accompanied by	y ANNEXES, comprising:							
B. (sent to the applicant	and to the International Dom			ah aw	C-11			
<u> </u>	and to the International Bur	- ·		sheet				
and/or sheets	description, claims and/or dra containing rectifications author lastructions).							
sheets which	supersede earlier sheets, but	which this Author	ity consid	lers contain an	amendment	that goes		
beyond the di Supplemental	sclosure in the international a Box.	pplication as file	d, as indic	ated in item 4	of Box No. I	and the		
b. (sent to the Internation	nal Bureau only) a total of (i	ndicate type and	number of	electronic car	rier(s))			
	, containing	sequence listing	and/or tab	oles related the	ereto, in comp	outer		
readable form only, as Administrative Instru	s indicated in the Supplemen ctions).	al Box Relating t	o Sequeno	æ Listing (see	Section 802	of the		
4. This report contains indications re	lating to the following items			*-				
·	the report							
Box No. II Priority	Box No. II Priority							
Box No. III Non-est	ablishment of opinion with r	egard to novelty,	inventive :	step and indus	trial applicab	oility		
Box No. IV Lack of	unity of invention							
Box No. V  Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
Box No. VI Certain	documents cited	0						
Box No. VII Certain	Box No. VII Certain defects in the international application							
Box No. VIII Ccrtain observations on the international application								
Date of submission of the demand  Date of completion of this report								
Date of action of the point								
30.01.2004	10	2.11.2004	•					
Name and mailing address of the IPEA/SE		Authorized officer						
Patent- och registreringsverket		Audionad Officer						
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Facsimile No. +46 8 667 72 88								

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001216

Box	k No. I	Basis of the report	
1.		regard to the language, this report is based on the international application in the languages indicated under this item.	age in which it was filed, unless
		This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:	
		international search (under Rules 12.3 and 23.1(b))	
		publication of the international application (under Rule 12.4)	
		international preliminary examination (under Rules 55.2 and/or 55.3)	•
2.	furnisi	regard to the <b>element</b> s of the international application, this report is based on <i>(replaned to the receiving Office in response to an invitation under Article 14 are referred to in the not annexed to this report):</i>	
	$\boxtimes$	the international application as originally filed/furnished	
		the description:	
		pages	as originally filed/furnished
		pages* received by this Authority on	
		pages* received by this Authority on	
	Ш	the claims:	
		pages	as originally filed/furnished
		pages* as amended (together with pages* received by this Authority on	any statement) under Article 19
		pages* received by this Authority on	
		the drawings:	
	LI	_	as originally filed/furnished
		pages received by this Authority on	-
		pages* received by this Authority on	
		a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence	æ Listing.
3.		The amendments have resulted in the cancellation of:	
		the description, pages	
		the claims, Nos.	
		the drawings, sheets/figs	<del></del>
		the sequence listing (specify):	<del></del>
		any table(s) related to the sequence listing (specify):	
4.		This report has been established as if (some of) the amendments annexed to this report made, since they have been considered to go beyond the disclosure as filed, as indicated 70.2(c)).  the description, pages	I in the Supplemental Box (Rule
		the drawings, sheets/figs	
		the sequence listing (specify):	<del></del>
		any table(s) related to the sequence listing (specify):	- <del></del>
*	If item	4 applies, some or all of those sheets may be marked "superseded."	

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001216

Box No	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
The que	The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:					
	the entire international application					
$\boxtimes$	claims Nos. 9-10					
beca	ause:					
$\boxtimes$	the said international application, or	the said claims Nos 9-10				
<u> </u>	relate to the following subject matte	er which does not require an international preliminary examination (specify):				
1		v).: Methods for treatment of the human				
or		rgery or therapy, as well as diagnostic				
	the description, claims or drawings ( are so unclear that no meaningful op	(indicate particular elements below) or said claims Nos				
	•					
1						
	the claims, or said claims Nos.	are so inadequately supported				
	by the description that no meaningfu	I opinion could be formed.				
	no international search report has been	en established for said claims Nos.				
	the nucleotide and/or amino acid seq Administrative Instructions in that:	quence listing does not comply with the standard provided for in Annex C of the				
	the written form	has not been furnished				
		does not comply with the standard				
	the computer readable form	has not been furnished				
		does not comply with the standard				
	the tables related to the nucleotide an the technical requirements provided	nd/or amino acid sequence listing, if in computer readable form only, do not comply with for in the Annex C-bis of the Administrative Instructions.				
	See Supplemental Box for further det	tails.				

#### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/SE2003/001216

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims Claims	1-8, 11-14	YES NO
	Inventive step (IS)	Claims Claims	1-8. 11-14	YES NO
	Industrial applicability (IA)	Claims Claims	1-8. 11-14	YES NO

### 2. Citations and explanations (Rule 70.7)

Cited document: D1) EP 1170594 A2

The present invention relates to novel 3-sulfonyl-indol-1-acetic acid derivatives for treatment of diseases mediated by PGD2 such as asthma or rhinitis.

Document D1 disclose structurally very closely related compounds (see compound 10c, page 34 and example 9) with the same activity as the claimed compounds.

The difference between the claimed compounds and the compounds in document is that compound 10c of D1 is that there is a sulfonyl-group in position 3 and that the aromatic group R3 is not condensed.

The problem to be solved by the present invention in the light of document A is the provision of alternative derivates of 3-substituted indol-1-acetic acids for treatment of diseases mediated by PGD2.

The applicant has not shown that the structural differences render the claimed compounds' unexpected effects in comparison with the known compounds'.

It is considered obvious to a person skilled in the art to modify structurally similar compounds to obtain the claimed compounds and come to the conclusion that they will have the same activity.

Thus, claims 1-8 and 11-14 are considered to fulfil the Requirement of novelty, but not that of inventive step.